

EAST Search History

S32	19	("0864858" "3227836" "3862379" "4087653" "4277654" "4821323" "4955729").PN. OR ("5144678").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/29 16:06
S33	32	("4654871" "4677677" "4742887" "4833719" "4953217" "4985925" "5018202" "5091954" "5111506" "5134659" "5138664" "5144678" "5172416" "5182774" "5251263" "5259033" "5276740" "5327507" "5481615").PN. OR ("6118878").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/29 16:16
S34	502	381/71.6,74.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 16:23
S35	105	381/71.6,74.ccls. and (minute or second or sec) and switch\$4 and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 16:35
S36	215	381/71.6,74.ccls. and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 16:36
S37	0	381/71.6,74.ccls. and (@rlad<"19990305" or @ad<"19990305") and on and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 16:36
S38	0	381/71.6,74.ccls. and on and (@rlad<"19990305" or @ad<"19990305") and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 16:37
S39	120	381/71.6,74.ccls. and (@rlad<"19990305" or @ad<"19990305") and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 17:37

EAST Search History

S40	28	("4335281" "4481382" "4524461" "4591661" "4634816" "4658242" "4720857" "5117461" "5341254" "5369857" "5655025" "5822406" "5910991" "5978689").PN. OR ("6594366").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/29 16:38
S41	186	381/71.6,74.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 17:38
S42	279	381/71.6,74,7.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 17:38
S43	253	381/71.6,74,7.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and circuit	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 17:42
S44	0	381/71.6,74,7.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and circuit and 5hz	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 17:42
S45	12	381/71.6,74,7.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and circuit and S33	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:01
S46	57	("2972018" "3629521" "4087653" "4455675" "4644581" "4654871" "4953217").PN. OR ("5182774").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/29 17:48
S47	285	381/71.6,74,7,72.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:06

EAST Search History

S48	215	381/71.6,74,7,72.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:07
S49	0	381/71.6,74,7,72.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and on	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:45
S50	0	381/71.6,74,7,72.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and "on"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:07
S51	123	381/71.6,74,7,72.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:15
S52	11	381/370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:24
S53	79	381/71.6,74,7,72.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and off and (ear or head)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:15
S54	121	381/370.ccls. and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 18:25

EAST Search History

S55	27	("3227836" "4010340" "4160135" "4473906" "4494074" "4654871" "4747145" "4833719" "4922542" "4955729" "5091954" "5101504" "5144678" "5181252" "5182774" "5343523" "5463428" "5635948" "5675658" "5708725" "5732143" "5825897" "6069959" "6118878" "6130953" "6278786").PN. OR ("6704428"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/29 19:17
S56	2	("6118878").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/29 19:19
S57	2	("5144678").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/29 19:19
S58	0	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and on	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:45
S59	132	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second) and frequency and filter and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:45
S60	88	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or second or time) and frequency and filter and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:46
S61	78	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time) and frequency and filter and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:46

EAST Search History

S62	104	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time) and frequency and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:46
S63	124	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:47
S64	124	381/71.6,74,7,72,370.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time\$2 or second) and frequency and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:49
S65	120	381/71.6,74,370,23.1.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time\$2 or second) and frequency and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:52
S66	0	381/71.6,74,370,23.1.ccls. and (@rlad<"19990305" or @ad<"19990305") and (one minute) and frequency and off and (head or ear)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:51
S67	4	381/71.6,74,370,23.1.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and (head or ear) and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:53
S68	4	381/71.6,74,370,23.1,7.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and (head or ear) and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 09:40
S69	5	381/71.6,74,370,23.1,7,55.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and (head or ear) and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:57

EAST Search History

S70	5	381/71.6,74,370,7,55.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and (head or ear) and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:57
S71	14	381/71.6,74,370,7,55.ccls. and (minute or time or second) and frequency and off and (head or ear) and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/29 19:57
S72	11	("20010046304" "3920931" "4052571" "4099035" "4118604" "5278912" "5355418" "5706357" "5815582" "6072885" "6330339").PN. OR ("6970571").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/29 19:57
S73	3	("2001/0046304").URPN.	USPAT	ADJ	ON	2007/08/29 19:58
S74	0	("2005/0238181").URPN.	USPAT	ADJ	ON	2007/08/29 20:01
S75	4	381/71.6,74,370,23.1,7;108/103.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and (head or ear) and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:29
S76	8	381/71.6,74,370,23.1,7;108/103.ccls. and (@rlad<"19990305" or @ad<"19990305") and (minute or time or second) and frequency and off and timer	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 09:46
S77	121	381/370.ccls. and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 12:20
S78	2	("5396551").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 14:14
S79	23	("4536888" "4879746" "4917504" "4918726" "4928306" "4930156" "4951002" "4975949" "5036536" "5058155" "5099514" "5185789").PN. OR ("5396551").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 15:44

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S80	5	(bandpass filter) and 381/307.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 15:45
S81	4	(bandpass filter) and 381/370.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 15:46
S82	46	(bandpass filter) and 381/370,71.6, 74,23.1,7.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 19:16
S83	3	(bandpass filter).ab. and 381/370, 71.6,74,23.1,7;108/103.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 15:52
S84	10	(bandpass filter) and 381/370,71. 13.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 15:52
S85	5	("381" or "379" or "340").clas. and (program\$6 near "3" timer)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:33
S86	2	("381" or "181" or "455").clas. and (program\$6 near "3" time\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:34
S87	4961	("381" or "181" or "455").clas. and (program\$6 near4 time\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:34
S88	76	("381" or "181").clas. and (program\$6 near4 timer)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:35
S89	51	("381" or "181").clas. and (program\$6 near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:40

EAST Search History

S90	19	("381" or "181").clas. and (programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:48
S91	18	("381" or "181"or "379").clas. and (programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:41
S92	20	("3386046" "3541548" "3711783" "3961281" "4151481" "4348932" "4416178" "4435679" "4449104" "4482888" "4506579" "4677890" "4694725").PN. OR ("4797932"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 16:42
S93	18	("381").clas. and (programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:44
S94	223	("381" or "700").clas. and (programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:46
S95	0	381/370.ccls. and (programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:46
S96	4121	(programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:48
S97	2800	(programmable near4 timer)and (@rlad<"19990305" or @ad<"19990305") and off	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:49

EAST Search History

S98	546	((programmable near4 timer)same off) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:49
S99	546	((programmable near4 timer) same off) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:49
S10 0	139	((programmable near4 timer) same off) and (@rlad<"19990305" or @ad<"19990305") and (sound or audio or acoustic)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 16:50
S10 1	123	((programmable near4 timer) same off) and (@rlad<"19990305" or @ad<"19990305") and (sound or audio or acoustic) not popcorn	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 17:00
S10 2	99	(programmable near4 timer) and (@rlad<"19990305" or @ad<"19990305") and (sound or audio or acoustic) and ("381" or "379").clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/30 17:01
S10 3	3	(bandpass filter) and 381/370,71.6, 74,23.1,7.ccls. and (("5" or five) near3 (Hertz or Hz))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 19:19
S10 4	108	(bandpass filter) and ("381" or "181" or "379").clas. and (("5" or five) near3 (Hertz or Hz))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 19:19
S10 5	87	(bandpass filter) and ("381" or "181" or "379").clas. and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 19:27
S10 6	633	(bandpass filter) and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/30 19:27
S10 7	149	(bandpass filter) and ("381" or "455" or "340").clas. and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/31 08:45

EAST Search History

S10 8	641	(bandpass filter) and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:44
S10 9	348	(bandpass filter) and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305") and (audio or acoustic or sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:06
S11 0	480	filter same (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305") and (audio or acoustic or sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:10
S11 1	92	(bandpass filter) and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305") and (audio or acoustic or sound) and passband	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:30
S11 2	9	(tunable near3 (bandpass filter)) and (("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305") and (audio or acoustic or sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:14
S11 3	0	(tunable near3 (bandpass filter)) and (Hertz or Hz) and (@rlad<"19990305" or @ad<"19990305") and 380/370. clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:33
S11 4	0	(tunable near3 (bandpass filter)) and (Hertz or Hz) and (@rlad<"19990305" or @ad<"19990305") and 381/370. clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:33

EAST Search History

S11 5	0	(tunable near3 (bandpass filter)) and (Hertz or Hz) and (@rlad<"19990305" or @ad<"19990305") and 381/370. ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:34
S11 6	9	(tunable near3 (bandpass filter)) and (Hertz or Hz) and (@rlad<"19990305" or @ad<"19990305") and "381".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 09:38
S11 7	83	(tunable near3 (bandpass filter)) and (Hertz or Hz) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:06
S11 8	7259	(bandpass filter) and (Hertz or Hz) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:06
S11 9	641	(bandpass filter) and ("5" or five) near3 (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:29
S12 0	349	327/557.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:30
S12 1	168	327/557.ccls. and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:30

EAST Search History

S12 2	46	327/557.ccls. and (@rlad<"19990305" or @ad<"19990305") and (Hz or hertz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:31
S12 3	46	327/557.ccls. and (@rlad<"19990305" or @ad<"19990305") and (Hz or hertz or Hertz)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:34
S12 4	23	327/557.ccls. and (@rlad<"19990305" or @ad<"19990305") and (five or S112)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:42
S12 5	1586	((bandpass filter) with (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:45
S12 6	138	"381"/\$.ccls. and ((bandpass filter) with (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:45
S12 7	0	"381"/\$.ccls. and (((bandpass filter) with (Hertz or Hz)) same head\$1phone) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:45
S12 8	8	"381"/\$.ccls. and (((bandpass filter) with (Hertz or Hz)) same (ear\$1phone or head\$1phone or head\$1set or hearing)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:51

EAST Search History

S12 9	18	((bandpass filter) with (Hertz or Hz)) same (ear\$1phone or head\$1phone or head\$1set or hearing)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:54
S13 0	10	S129 not S128	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 10:51
S13 1	12	(("5" or five) (Hertz or Hz)) same (ear\$1phone or head\$1phone or head\$1set or hearing) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 11:03
S13 2	8666	(("5" or five) (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 11:04
S13 3	185	(("5" or five) (Hertz or Hz)) and (@rlad<"19990305" or @ad<"19990305") and ("381" or "181" or "327").clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 11:59
S13 4	712	((("5" or five) (Hertz or Hz)) same filter) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 11:59
S13 5	230	((("5" or five) (Hertz or Hz)) same filter) and (@rlad<"19990305" or @ad<"19990305") and (audio or sound or acoustic or music)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 12:00

EAST Search History

S13 6	462	((("5" or five) (Hertz or Hz)) same filter) and (@rlad<"19990305" or @ad<"19990305") and (audio or sound or acoustic or music or noise)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/08/31 12:00
S13 7	3290	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 08:44
S13 8	1869	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 08:45
S13 9	235	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305")and ("327" or "381" or "181").clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 09:53
S14 0	33	("3753159" "4045731" "4068139" "4207543").PN. OR ("4322641").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 09:25
S14 2	1265	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and (not ("327" or "381" or "181").clas.) and (not neural) and (not optic\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 09:59
S14 3	36632	((passband or range) near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 10:00
S14 4	20507	((passband or range) near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and filter	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 10:00

EAST Search History

S14 6	477	((passband or range) near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter)) and "381". clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 10:13
S14 7	79	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter)) and "381". clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 10:13
S14 8	79	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter)) and "381". clas. and passband	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 10:16
S14 9	113	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter)) and "381".clas. and passband	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 11:20
S15 0	8	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter)) and "181".clas. and passband	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 11:22
S15 1	59	(passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter)) and "327".clas. and passband	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 11:43

EAST Search History

S15 2	63	((passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter)) and "340".clas. and passband	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 11:46
S15 3	234	((passband near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter)) and "455".clas. and passband	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:14
S15 4	4	("3956719").PN. OR ("4323866").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 12:00
S15 5	9	((passband or bandwidth) near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter)) and (1hz or 2hz or 3hz or 4hz or 5hz)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:29
S15 6	32	("3068475" "3076057" "3143600" "3218393" "3500217").PN. OR ("4018994").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 12:31
S15 7	4998	((passband or bandwidth) near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:38
S15 8	4998	((passband or bandwidth) near3 (frequency or hz or hertz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:39

EAST Search History

S15 9	4982	((passband or bandwidth) near3 (frequency or hz or hertz not khz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (high pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:40
S16 0	4799	((passband or bandwidth) near3 (frequency or hz or hertz not khz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (lowpass filter) or (low pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:40
S16 1	4643	((passband or bandwidth) near3 (frequency or hz or hertz not khz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (low pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:41
S16 2	4909	((passband or bandwidth) near3 (frequency or hz or hertz not khz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 12:41
S16 3	1270	((passband or bandwidth) near4 (hz or hertz not khz)) and (audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:12
S16 4	5	("3872503").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 12:55
S16 5	2	("4442500").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 12:56

EAST Search History

S16 6	3	("3502811").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 13:00
S16 7	2	("4255620").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 13:02
S16 8	2	("4577188").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 13:09
S16 9	2	("4675613").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 13:09
S17 0	54	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and (1hz or 2hz or 3hz or 4hz or 5hz or 6hz)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:17
S17 1	17	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and (1hz or 2hz or 3hz or 4hz or 5hz or 6hz) and (bandwidth or passband)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:23
S17 2	33	("2455376" "2656527" "3163861" "3164802" "3237105" "3242486" "3497995" "3727208").PN. OR ("3794992").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 13:22
S17 3	362	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and ((bandwidth or passband) near3 (hz or hertz)) not khz	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:23

EAST Search History

S17 4	482	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) not khz	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:24
S17 5	381	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) not khz not optic\$2	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:24
S17 6	324	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) not khz not optic\$2 not heart	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:24
S17 7	311	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) not khz not optic\$2 not heart not neural	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:25
S17 8	311	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter) or (low pass filter) or (low-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) and (hz or hertz) not khz not optic\$2 not heart not neural	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:53
S17 9	207	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) and (hz or hertz) not khz not optic\$2 not heart not neural	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:54

EAST Search History

S18 0	186	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) and (hz or hertz) not khz not optic\$2 not heart not neural not bore not drill	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:55
S18 1	584	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) and (hz or hertz) not optic\$2 not heart not neural not bore not drill	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:55
S18 2	433	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and ((bandwidth or passband) near5 (hz or hertz)) and (hz or hertz) not optic\$2 not heart not neural not bore not drill not television not cable	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 13:56
S18 3	22	("3522546" "3609568" "3619586" "3749895" "3777130" "3906199" "3965338" "4317092" "4488251" "4521867" "4539536" "4751663" "4811263").PN. OR ("5089981").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 14:15
S18 4	6725	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and analog	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:18
S18 5	2	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and analog and 381/370.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:20
S18 6	447	(audio or acoustic or sound or music) and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and analog and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:20

EAST Search History

S18 7	292	(audio or acoustic or sound or music).ab. and (@rlad<"19990305" or @ad<"19990305") and ((bandpass filter) or (band-pass filter)) and analog and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:27
S18 8	4	(audio or acoustic or sound or music).ab. and (@rlad<"19990305" or @ad<"19990305") and (tunable near3 ((bandpass filter) or (band-pass filter))) and analog and "381".clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:28
S18 9	1	(audio or acoustic or sound or music).ab. and (@rlad<"19990305" or @ad<"19990305") and (tunable ((bandpass filter) or (band-pass filter))) and analog and ("381" or "181").clas.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 15:28
S19 0	23	("4287568" "4535472" "4630301" "4703465" "4802222" "4956871" "5040217" "5241603").PN. OR ("5640458").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:33
S19 1	602	(tunable bandpass filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:33
S19 2	210	(tunable bandpass filter) and (audio or sound or acoustic or music)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/04 15:34
S19 3	18	"4045748"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 17:09
S19 4	2	"4045748".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/04 17:09